

Converting Colors

CIELCh(36, 45.457, 54.418)

Have a look what the booklet for
CIELCh(36, 45.457, 54.418) contains.

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Color

CIELCh(36, 45.420, 54.893)

Conversions

Conversions Part 1

Format	Color
Hex	864218
RGB	134, 66, 24
RGB Percent	53%, 26%, 9%
CMY	0.4750, 0.7416, 0.9063
CMYK	0.00, 0.51, 0.82, 0.47
HSL	23°, 70%, 31%
HSV	23°, 82%, 53%
XYZ	11.9179, 9.0082, 1.9692
YIQ	81.5440, 54.0100, 1.3540

Conversions

Conversions Part 2

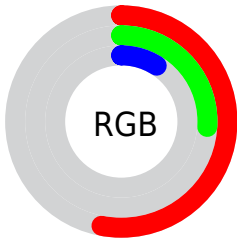
Format	Color
RYB	134, 92, 24
Decimal	8798744
CIELab	36.00, 26.12, 37.16
CIELCh	36, 45.420, 54.893
Yxy	9.0082, 0.5205, 0.3935
Android (android.graphics.Color)	4286988824 (0xFF864218)
YUV	81.5440, -28.3692, 46.0039
Hunter-Lab	30.0136, 18.3554, 17.1194

Details

The CIELCh color **36, 45.420, 54.893** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **37, 29.684, 260.251**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 45.258, 54.562**, and **16, 35.876, 43.008** is the 20% darker color. If you saturate the color by 10%, you get **34, 51.098, 53.701**, and if you desaturate by 10%, it is **38, 39.167, 55.730**.

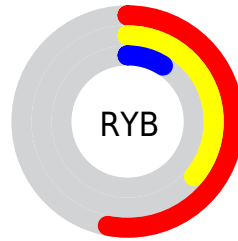
Distribution



Red (53%)

Green (26%)

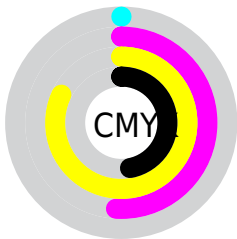
Blue (9%)



Red (53%)

Yellow (36%)

Blue (9%)

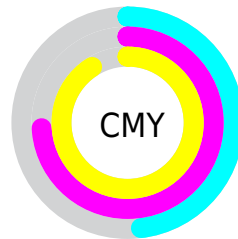


Cyan (0%)

Magenta (51%)

Yellow (82%)

Black (47%)



Cyan (48%)

Magenta (74%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 45.420, 54.893 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 36, 45.420, 54.893 by changing the saturation by 10% instead.

36, 45.420, 54.893

36, 45.420, 54.893

100, 45.420,
54.893

26, 45.420, 54.893

56, 45.420, 54.893

16, 45.420, 54.893

66, 45.420, 54.893

6, 45.420, 54.893

76, 45.420, 54.893

0, 45.420, 54.893

86, 45.420, 54.893

96, 45.420, 54.893

36, 45.420, 54.893

36, 45.420, 54.893

34, 51.098, 53.701

38, 39.167, 55.730

33, 55.468, 52.971

40, 32.858, 56.455

43, 26.741, 57.183

45, 20.925, 57.955

47, 15.445, 58.776

50, 10.299, 59.636

53, 5.472, 60.512

55, 0.935, 61.135

58, 3.339, 242.533

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36, 45.420, 54.893



37, 29.684, 260.251

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36, 45.420, 54.893



36, 45.420, 104.893



36, 45.420, 234.893



36, 45.420, 284.893

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36, 45.419, 54.896



63, 14.521, 59.340



31, 52.306, 345.624



31, 9.961, 59.083



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 45.419, 54.896



43, 66.962, 52.257



50, 50.146, 95.434



27, 2.496, 60.769



32, 54.208, 53.034



0, 0.584, 61.690

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 29.684, 260.251



44, 42.065, 269.049



21, 62.748, 299.674



27, 2.406, 242.707



33, 33.743, 268.128



0, 0.584, 241.707

Previews

White Background



This preview shows how the CIELCh color 36, 45.420, 54.893 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 45.420, 54.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 45.420, 54.893

Background



This preview shows how black text looks on a background with the CIELCh color 36, 45.420, 54.893.



This preview shows how white text looks on a background with the CIELCh color 36, 45.420, 54.893.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36, 45.420, 54.893

Protanopia

36, 33.704, 95.946

Deuteranopia

36, 38.944, 82.866



Tritanopia
36, 34.478, 21.812

Trichromacy



Original Color
36, 45.420, 54.893

Protanomaly
36, 35.298, 77.786

Deuteranomaly
36, 39.983, 72.039

Tritanomaly
36, 36.902, 36.274

Monochromacy



Original Color
36, 45.420, 54.893

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 15.461, 60.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 45.420, 54.893 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(134, 66, 24)` looks like.

```
.text, #text, p{  
    color:rgb(134, 66, 24)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(134, 66, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 66, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 45.420, 54.893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(134, 66, 24) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(134, 66, 24) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(134, 66, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 66, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 66, 24);  
box-shadow:4px 4px 4px 4px rgb(134, 66,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 45.420, 54.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 66, 24) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(134, 66,  
24) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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